

JP 63-159426

409  
withdrawn

AN 1989:115990 CAPLUS  
 DN 110:115990  
 TI Flexible and heat-resistant epoxy resin compositions  
 IN Oishi, Shinji  
 PA Sumitomo Bakelite Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 3 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM C08G059-42  
 ICS C08G059-20  
 ICA C08L063-00  
 CC 37-6 (Plastics Manufacture and Processing)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
✓ PI	JP 63159426	A2	19880702	JP 1986-305236	19861223

AB Title compns. contain (a) liq. epoxy resins, (b) liq. epoxy resin-alkylene oxide adducts, (c) polyfunctional aliph. glycidyl ethers, (d) acid anhydride hardeners, and (d) hardening accelerators at wt. ratios a/(a+b+c) = 30-45%, b/(a+b+c) = 35-50%, and c/(a+b+c) = 5-35%. Thus, Epikote 828 (I) 40, EP-4000 (II, liq. epoxy resin-alkylene oxide adduct) 45, glycerin triglycidyl ether (III) 15, YH-311 (alkylated tetrahydrophthalic anhydride) 120, and 2-ethyl-4-methylimidazole 2 parts were mixed and heated at 100.degree. for 5 h, giving a cured product with hardness (Shore

500 A) 25 initially and 45 and 60 after heating at 150.degree. for 250 and h, resp., compared with 15, 85, and crack, resp., for a similar compn. contg. I 20, II 50, and III 30 parts.

ST flexibility epoxy resin compn; heat resistance epoxy resin compn; glycerin triglycidyl ether compn flexibility; acid anhydride hardener epoxy resin; ethylmethylimidazole hardening accelerator epoxy resin

IT Crosslinking agents (acid anhydrides, epoxy resins contg., flexible and heat-resistant)

IT Epoxy resins, uses and miscellaneous  
 RL: USES (Uses)  
 (compns., contg. liq. epoxy resin-alkylene oxide adducts and polyfunctional aliph. glycidyl ethers and acid anhydrides, flexible and heat-resistant)

IT Heat-resistant materials (epoxy resins contg. liq. epoxy resin-alkylene oxide adducts and polyfunctional aliph. glycidyl ethers and acid anhydrides, flexible)

IT Crosslinking catalysts (epoxy resins contg., flexible and heat-resistant)

IT 931-36-2, 2-Ethyl-4-methylimidazole  
 RL: USES (Uses)  
 (crosslinking accelerators, for epoxy resin compns.)

IT 119419-47-5, YH 311  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (crosslinking agents, epoxy resins contg., flexible and heat-resistant)

IT 11121-15-6, EP-4000 13236-02-7, Glycerin triglycidyl ether 25068-38-6, Epikote 828  
 RL: USES (Uses)  
 (epoxy resin compns., flexible and heat-resistant)

RN 11121-15-6 REGISTRY  
 CN Poly[oxy(methyl-1,2-ethanediyl)],  
 .alpha.,.alpha.'-[(1-methylethylidene)di-  
 4,1-phenylene]bis[.omega.-(oxiranylmethoxy)-, homopolymer (9CI) (CA

INDEX

NAME)

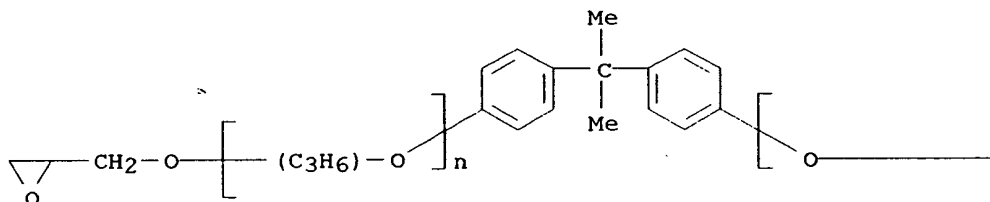
OTHER NAMES:

CN Adeka EP 4000  
 CN Adeka Resin EP 4000  
 CN ADK 4000  
 CN EP 4000  
 CN Epiclon 717  
 CN Gurishieru BPP 350  
 CN **Rikaresin BPO 20E**  
 DR 54667-37-7, 60267-15-4, 63278-42-2, 39354-76-2  
 MF ((C3 H6 O)n (C3 H6 O)n C21 H24 O4)x  
 CI PMS, COM  
 PCT Epoxy resin, Polyether  
 LC STN Files: CA, CAPLUS, CHEMLIST, IFICDB, IFIPAT, IFIUDB, USPATFULL

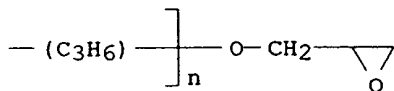
CM 1

CRN 55236-42-5  
 CMF (C3 H6 O)n (C3 H6 O)n C21 H24 O4  
 CCI IDS, PMS

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93 REFERENCES IN FILE CA (1967 TO DATE)  
 23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 93 REFERENCES IN FILE CAPLUS (1967 TO DATE)